

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**YOUR QUEST ON THE STATISTICS REVIEW UNIT (COVERING PROJECTS 1 – 3)  
IS ON FRIDAY, JANUARY 9**

You should prepare by doing a mix of the following:

**Required:**

- ✓ Complete the mandatory vocabulary study guide
- ✓ Complete the mandatory study guide attached. Due Thursday, January 8.

**Suggested:**

- Study vocabulary using flash cards and practice
- Review notes from before winter break on Projects 1 – 3
- Review notes from this week on the review lessons
- Practice from old homeworks and lesson practice
- Watch LearnZillion videos linked on wikispace

Day	What I'm going to do	When I'm going to do it
Monday, January 5		
Tuesday, January 6		
Wednesday, January 7		
Thursday, January 8		

# Statistics Practice Test!

Use the table to answer questions 1–3.

Day	Cones Sold
Sunday	59
Monday	52
Tuesday	37
Wednesday	37
Thursday	37
Friday	70
Saturday	92

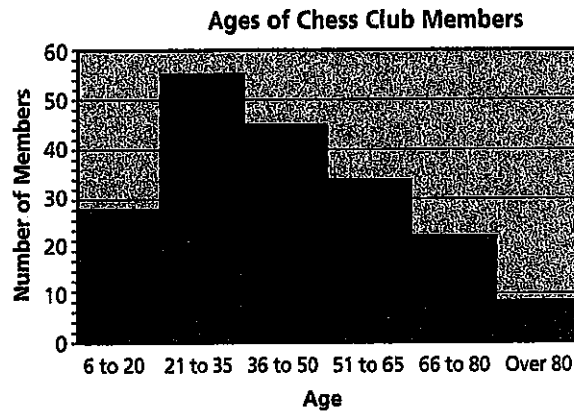
- 1 What is the mode of the number of cones sold?
- Ⓐ 33  
Ⓑ 37  
Ⓒ 52  
Ⓓ 55
- 2 What is the median number of cones sold?

Answer: \_\_\_\_\_

- 3 What is the range of the number of cones sold?
- Ⓐ 33  
Ⓑ 37  
Ⓒ 52  
Ⓓ 55

Use this graph for questions 4 and 5.

- 4 Which best describes the distribution of the data?



- Ⓐ Skewed  
Ⓑ Multiple Peaks  
Ⓒ Uniform  
Ⓓ Normal
- 5 Shontelle questioned members of the chess club to gather the data shown. Write a statistical question she might have asked.

Answer: \_\_\_\_\_

- 6 Which does NOT describe the center of a set of data?
- Ⓐ mean  
Ⓑ mode  
Ⓒ range  
Ⓓ median

Dora's bowling scores this week were: 152, 170, 161.

Use the scores to answer questions 7 and 8.

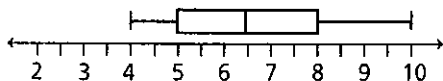
- 7 What was Dora's mean score?

Answer: \_\_\_\_\_

- 8 What is the <sup>median</sup>~~mean absolute deviation~~ for the scores?

Answer: \_\_\_\_\_

The box-and-whisker plot shows the number of baskets Carl made during each game last season. Use it to answer questions 9 and 10.



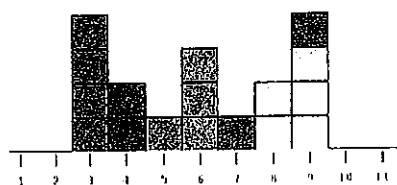
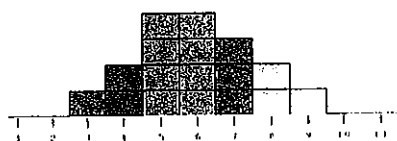
- 9 What is the range of the number of baskets Carl made?

Answer: \_\_\_\_\_

- 10 What is the interquartile range?

Answer: \_\_\_\_\_

Use the two line plots below for question 11.



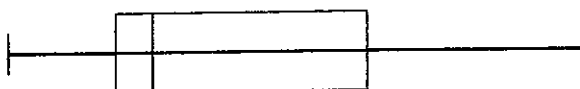
11 Which statement is NOT true?

- Ⓐ Both data sets have the same median.
- Ⓑ Both data sets have the same range.
- Ⓒ Both data sets have the same mean.
- Ⓓ Both data sets have the same mode.

12 Mandy scored 88, 94, 82, and 89 on her math tests. What is the least score she can earn on her next math test to have a mean of 90 or more?

Answer: \_\_\_\_\_

13 This box plot shows the finish times for the first 100 runners in a marathon.



In which quarter of the data are the times closest together?

- Ⓐ First quarter
- Ⓑ Second quarter
- Ⓒ Third quarter
- Ⓓ Fourth quarter

14 Ramon's math scores for the first semester are shown below. Draw a box-and-whisker plot to show the data.

82 98 76 86 85

74 56 100 98 97

Complete this list of measures for the data:

Lower extreme: \_\_\_\_\_

Upper extreme: \_\_\_\_\_

Median: \_\_\_\_\_

Lower quartile: \_\_\_\_\_

Upper quartile: \_\_\_\_\_

Range: \_\_\_\_\_

Interquartile range: \_\_\_\_\_